Application No. 10/583,194
Amendment dated May 19, 2008
Reply to Non-Final Office Action of February 21, 2008

Docket No.: 20241/0207048-US0

AMENDMENTS TO THE SPECIFICATION

Please replace lines 10-22 on page 7 of the Specification as originally filed (i.e., the paragraph immediately following the header "(Example 2)" on page 7) with the following paragraph.

14.3 g (0.1 mol) of chlorosulfonyl isocyanate was placed in a 100 ml-four-neck flask with a condenser and the temperature thereof was raised to the reflux temperature while stirring. To this solution, a mixed solution of 40.6 g (0.5 mol) of sulfur trioxide and 14.3 g (0.1 mol) of chlorosulfonyl isocyanate and a mixed solution of [[34.1]]31.4 g (0.5 mol) of cyanogen chloride and 28.4 g (0.2 mol) of chlorosulfonyl isocyanate were added dropwise at the same time in the same molar equivalents for 20 minutes under reflux to obtain a reaction liquid. Then, the reaction liquid was stirred for 9 hours at the reflux temperature (from 103 to 108°C). The yield of chlorosulfonyl isocyanate was 89% after completing the reaction, in which the used sulfur trioxide was based on and the amount of chlorosulfonyl isocyanate used as reaction solvent and solution for diluting the raw material was removed. Then, simple distillation was performed under normal pressures to obtain 108.5 g (the purity of 99%) of chlorosulfonyl isocyanate as the fraction by boiling at 106 to 108°C under 1.013 kPa.

Please replace line 24, page 7 through line 2, page 8 of the Specification as originally filed (i.e., the paragraph immediately following the header "(Comparative Example)" on page 7) with the following paragraph.

14.3 g (0.1 mol) of chlorosulfonyl isocyanate was placed in a 100 ml-four-neck flask with a condenser and the temperature thereof was raised to the reflux temperature while stirring. To this solution, a mixed solution of 40.2 g (0.5 mol) of sulfur trioxide and 30.8 g (0.5 mol) of ehlorosulfonyl isocyanatecyanogen chloride were added dropwise at the same time in the

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same molar equivalents for 60 minutes under reflux to obtain a reaction liquid. In this operation, cyanogen chloride in the liquid was vaporized, passed through a flow meter, and added dropwise to the reaction system by another condenser, but the flow rate of cyanogen chloride was not fixed. Then, the reaction liquid was stirred for 9 hours at the reflux temperature of the reaction liquid which was gradually raised from 95 to 109°C. At this point, the yield of chlorosulfonyl isocyanate was 67%, in which the used sulfur trioxide was based on and the amount of chlorosulfonyl isocyanate used as reaction solvent and solution for diluting the raw material was removed.